

XP-002436560

(C) WPI / Thomson

AN - 1982-49156E [24]  
AP - JP19800151241 19801027  
PR - JP19800151241 19801027  
TI - High strength fibre reinforced foamed plastic article mfr. - from  
mixt. contg. glass fibre chop strands, powdery polyethylene,  
azo:di:carbonamide and opt. zinc stearate  
IW - HIGH STRENGTH FIBRE REINFORCED FOAM PLASTIC ARTICLE MANUFACTURE  
MIXTURE CONTAIN GLASS CHOP STRAND POWDER POLYETHYLENE AZO DI  
CARBONAMIDE OPTION ZINC STEARATE  
IN - DEGUCHI K; MATSUMOTO M; YOSHIKAWA Y  
PA - (KOBU ) KOBUNSHI GIKEN CO LTD  
PN - JP57074127 A 19820510 DW198224  
PD - 1982-05-10  
IC - B29D27/00; B29D3/02  
DC - A17 A32  
AB - 30 pts.wt. glass fibre chop strands of 5 mm length, 63 pts.wt. powdery  
polyethylene, and 1 pt.wt. azodicarbonamide, and opt. 0.2 pts.wt. zinc  
stearate are uniformly mixed.  
After the mixt. is supplied from a hopper into a metal moulds and the  
mould is heated for 15 minutes in heating furnace maintained at 220  
deg.C, it is taken out from the furnace and non-molten powders are  
removed from the mould to provide a fibre reinforced foamed synthetic  
resin wall on the inner surface of the metal mould.  
The powdery polyethylene is sprayed to the inner surface of the wall  
to carry out smoothing and synthetic resin wall is cooled and removed  
from the metal mould.  
The process permits industrial production of tanks, waterproof and  
chemical resistant containers, and industrial plant parts with high  
mechanical strength from inexpensive raw materials.